Supply *at* LPG in Bombay

1997. SHRI SUBRAMANIAN SWAMY: Will the Minister of PETROLEUM AND NATURAL GAS be pleased *to* state:

(a) whether it is a fact that Government have received a representation from the President, Janata Party Maharashtra in March, 1991 regarding delay in supply of LPG to consumers in Bombay:

(b) if so, what action Government have taken thereon; and

′ (c) what steps Government propose to take to solve the problem of frequent disruption in supply of LPG refill in Bombay city?

THE MINISTER OF PETROLEUM AND NATURAL GAS (SHRI B. SHANKARANAND): (a) to (c) No such representation is readily available in the records of the Ministry of Petroleum and Natural Gas.

Efforts are constantly made to ensure that to the extent possible there is no disruption in the availability of LPG to the consumers.

Development of technology by ONGC

1998. SHRI ASHOK NATH VERMA: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether the ON.G.C. individual ly or in collaboration with research in stitutions developed! technology for va rious captive consumption products or for import substitution;

(b) if so, what are the details thereof and what are the annual requirements for such products, product-wise and the value involved;

(c) whether the O.N.G.C. has trans ferred technical know-how to interested parties for commercialisation of those products; if so, what are the names of the parties, annual requirement, amount involved and or what norms/criteria and the details of buy back guarantee and assistance, If any, offered to such individual/orgtU lisations;

(d) what are the names of the products with annual requirements and amount involved for which technology is yet to be transferred for commercialisation and terms laid down for such transfer; and

(e) what are the names, quantity and value of the bye-products annually produced by ON.G.C. and their distribution/marketing criteria?

THE MINISTER OF PETROLEUM AND NATURAL GAS (SHRI B. SHANKARANAND): (a) Yes, Sir,

(b) to (d) Information is given in the statements I, II and III. *(See* below)

(e) Apart from production of crude oil and gas, ONGC also produces LPG, NGL, microcrystalline wax, tank oottom sludge and Ethane-Propane (C2-C3), which could be termed as by-products. The quantity sold and corresponding value (revenue) against each product during the year 1990-91 is as given below:—

Product	Quantity	Value(Rs. Crores)
LPG (MT) .	875,912	186.10
NGL (MT) .	744,492	134.98
Wax (MT) .	13	0.06
Sludge (MT) .	3301	1.05
C2-C3 (MT) .	27581	11.05

LPG and NGL are supplied to refineries as per the directives of the Ministry for further bottling/processing or export. Microcrystalline wax and tank bottom sludge are sold on th$ basis of open tenders.

Ethane-Propane (C2-C3) is at present sold only to IPCL. for their cracker at Nagothane.

Statement-I

List of In-house technologies developed independently by ONGC.

Sl.No.	Name of Additive	Product name	Yearly requirement	Unit Price (Approx.)
1	2	3	4	5
	Drilling fluid additive :			
1	Chrome Free Lignosulphonate (dispersent and filteration control additive)	Chrome Free Ligno-Sulphenate	2000 MT (approx.)	Rs. 14000/- per M.T.
2	Organo-Phillic Lignite (Fluid loss controlling additive for oil base mud)	Organ-Phillic Lignite	(*)	Rs. 72000/- per M.T.
3	HT/HP Fluid loss Control cur- Shale stabilizer	IDEX-1	700 M.T. Approx.	Rs. 21000/- per M.T.
4	Oil base mud Clay	Organophillic clay.	(*)	Rs. 60000/- per M.T.
5	Sulphomethylated Cutch (Thinner)	SMC	(*)	Rs. 45000/- per M.T.
6	E.P. Lubricant (Water base)	IDT Luba	2500 Drums	Rs. 5500/- per Drum.
	Cement and cement additive :			
1	Oil well cement (Equl. to Class 'G' HSR Quality)	Oil well cement Class 'G' HSR	76000 Tonnes	Rs. 1817/- per tonne.
2	Turbulence Inducer	OTI-1	213 Tonnes	US $ 1681/tn.
3	Filteration loss controlling agent.	OFL-1	213 tonnes.	US $ 4751/tn.
4	Low Temp. retarder	UDR-100	26 tonnes	US $ 1462/tn.
5	Slag cement	Slag Cement	(**)	Rs. 1300/- per/M.T.approx.
	Others			
1	H.P. Guargum	HP Guargum	110-150 MT	Rs. 10,000/- per M.T.
2	Hydroxy Ethyl Cellulose (HEC)	H.E.C.	40-50 MT	Rs. 50,000/- per M.T.

(*) At present there is very limited requirement of these chemicals used in Oil base mud. However, we expect more use of Oil base mud in future for Drilling in water loss sensitive reservoirs and shales.

(**) At present there is very limited requirement of this chemical However, we expect more use in high temperature deep wells in future.

Statement-II

Technical know-how transferred by IDT, ONGC

Sl.No.	Name of the Parties	Name of Product	Annual Requirement	Unit Price (Approx.)
1	M/s. Kalpana Chemicals, Nacharam Industrial Dev.Area, Hyderabad-501507.	IDEX (Rasinated Lignite)	700 M.T.	Rs. 21,000/- per M.T.
2	M/s. Rajat Chemicals Ind. B-23, Amausi Ind. Area, Lucknow Kanpur Road, Lucknow.	IDEX (Do.)	700 M.T.	Rs. 21,000/- per M.T.
3	M/s. Nutan Chemicals, Textile Technician Society, (near Dinesh Hall), Navrangpura, Ahmedabad.	OTI & OFL (Turbulence inducer and fluid loss reducing agent)	OTI-1-:213 MT OFL-1:213 MT	US$ 1681 per Ton. US$ 4751 per M.T.
4	M/s. Balmer Lawrie & Co., 21, Netaji Subhash Road, Calcutta-700001	OTI & OFL (Turbulence inducer and fluid loss reducing agent)	OTI-1:213 M.T. OFL-1:213 M.T.	US$ 1681 per M.T. US$ 4751 per M.T.
5	M/s. Usha Lubes (P) Ltd., 24, R.N. Mukherjee Road, (2nd Floor), Calcutta.	EP Lube (Extreme pressure lubricant)	2500 Drums	Rs. 5,500/- per drum
6	M/s. Hindustan Gum & Chemicals Ltd. ,Bhivani.	H.P. Guargum	110-150 MT	Rs. 10,000/- per M.T.
7	M/s. C.I. Laboratory, Calcutta.	Do.	110-150 MT	Rs. 10,000/- per MT

Statement-III

Details of Technology yet to be tranferred by ONGC

	Name of Product	Annual Requirement	Unit Price (Approx.)
1.	Chrome free lignosulphonate	2000 M.T. (Approx.)	Rs. 14,000/- per M.T.
2.	Organophillic Lignite	(*)	Rs. 72,000/- per M.T.
3.	Oil base mud clay	(*)	Rs. 60,000/- per M.T.
4.	SMC (Sulphomethylated cutch)	(*)	Rs. 45,000/- per M.T.
5.	IDR-100 (Low Temp. Retarder)	26 Tons	US$ 1462 per M.T.
6.	Hydroxy Ethyl Cellulose	40-50 Tons	Rs. 50,000/- per ton.

(*) At present there is very limited requirement of these chemicals being highly specialised.